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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number 09/939,404
 Filing Date 08/24/2001
 First Named Inventor Damian A. Hajduk
 Group Art Unit 2877
 Examiner Name
 Attorney Docket Number 1012-107(2000-002)

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>DM</i>		5,776,359		Schultz et al.	07/07/1998	
		5,959,297		Weinberg et al.	09/28/1999	
		5,985,356		Schultz et al.	11/16/1999	
		6,004,617		Schultz et al.	12/21/1999	
		6,013,199		McFarland et al.	01/11/2000	
		6,030,917		Weinberg et al.	02/29/2000	
		6,034,775		McFarland et al.	03/07/2000	
		6,034,240		La Pointe	03/07/2000	
		6,043,363		LaPointe et al.	03/28/2000	
		6,045,671		Wu et al.	04/04/2000	
		6,087,181		Cong	07/11/2000	
		6,124,476		Guram et al.	09/26/2000	
		6,151,123		Nielsen	11/21/2000	
		6,149,882		Guan et al.	11/21/2000	
		6,157,449		Hajduk	12/05/2000	
		6,175,409 B1		Nielsen et al.	01/16/2001	
		6,177,528 B1		LaPointe et al.	01/23/2001	
		6,182,499 B1		McFarland et al.	02/06/2001	
		6,187,164 B1		Warren et al.	02/13/2001	
		6,203,726 B1		Danielson et al.	03/20/2001	


FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
<i>DM</i>			WO 00/67086	Symyx Technologies, Inc.	11/09/2000		
			*WO 96/11878	Reg. of the Univ. of California	04/25/1996		
			WO 0036410	Symyx Technologies, Inc.	06/22/2000		
			WO 00/40331	Symyx Technologies, Inc.	07/13/2000		
			*WO 00/51720	Symyx Technologies, Inc.	09/08/2000		
			*WO 00/17413	Symyx Technologies, Inc.	03/30/2000		
			WO 00/23921	Symyx Technologies, Inc.	04/27/2000		

Examiner Signature	<i>DM</i>	Date Considered	8/20/01
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

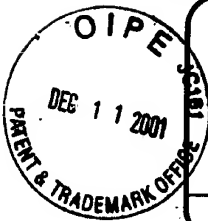
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Sheet 1 of 1

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Application Number	09/939,404
Filing Date	08/24/2001
First Named Inventor	Damian A. Hajduk
Group Art Unit	2877
Examiner Name	
Attorney Docket Number	1012-107(2000-002)

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		Number	Kind Code‡ (if known)			
PME		5,817,947		Bergerus	10/06/1998	
		5,723,792		Miyazaki	03/03/1998	
		5,532,942		Kitamura et al.	07/02/1996	
		5,520,042		Garritano et al.	05/28/1996	
		5,517,860		Lin et al.	05/21/1996	
		5,452,614		Kato et al.	09/26/1995	
		5,438,863		Johnson	08/08/1995	
		5,437,192		Kawamoto et al.	08/01/1995	
		5,398,885		Andersson et al.	03/21/1995	
		5,269,190		Kramer et al.	12/14/1993	
		5,092,179		Ferguson	03/03/1992	
		4,899,581		Allen et al.	02/13/1990	
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		4,699,000		Lashmore et al.	10/13/1987	
		4,605,589		Orphanides	08/12/1986	
	4,975,320		Goldstein et al.	12/04/1990		
	6,043,317		Mumick et al.	03/28/2000		

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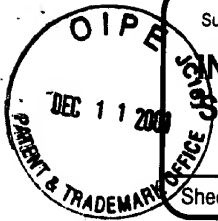
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Group Art Unit	2877
Examiner Name	
Attorney Docket Number	1012-107(2000-002)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

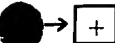
Examiner, Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
MW		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.
		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.
		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000
		*The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.
		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001
		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000
		*PCT Application No. PCT/US01/11417 entitled "Automated Process Control And Data Management System And Methods", filed 4/6/2001

Examiner Signature		Date Considered	8/27/13
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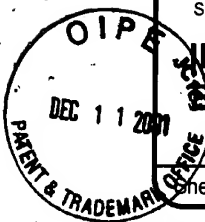
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First Named Inventor	Damian A. Hajduk
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Attorney Docket Number	1012-107(2000-002)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>my</i>		*U.S. Application Serial No. 09/420,334 entitled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		*U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		*U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		*U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		*The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		*The family of applications for U.S. Application Serial No. 09/211,982 entitled "Parallel Reactor With Internal Sensing" (Turner et al.) filed December 14, 1998	
		*U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		*U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998	
		*The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		U.S. Application Serial No. 09/579,338 entitled "Rheo-Optical Indexer and Method of Screening and Characterizing Arrays of Materials" (Carlson et al.) filed on May 25, 2000	

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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<i>HA</i>		*ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)
<i>W</i>		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989
<i>W</i>		*TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940
<i>W</i>		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systmes, Vol. 6, No. 2, June 1997
<i>W</i>		KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.
<i>W</i>		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.
<i>W</i>		PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).
<i>W</i>		"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.
<i>W</i>		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).
<i>W</i>		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).

Examiner Signature		Date Considered	8/26/01
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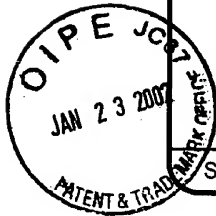
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		Number	Kind Code ² (if known)			
MW		1,870,412		Kennedy	08/09/1932	
		3,071,961		Heigl et al.	01/08/1963	
		3,675,475		Weinstein	07/11/1972	
		3,713,328		Aritomi	01/30/1973	
		3,798,960		Glass	03/26/1974	
		3,805,598		Corcoran	04/23/1974	
		3,818,751		Karper et al.	06/25/1974	
		3,849,874		Jeffers	11/26/1974	
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		3,908,441		Virloget	09/30/1975	
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		4,229,979		Greenwood	10/28/1980	
		4,447,125		Lazay et al.	05/08/1984	
		4,517,830		Gunn, deceased et al.	05/21/1985	
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		4,599,219		Cooper et al.	07/08/1986	
		4,602,501		Hirata	07/29/1986	
		4,680,958		Ruelle et al.	07/21/1987	
		4,685,328		Huebner et al.	08/11/1987	

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MW			JP402297040A	Akaha Toru	12/07/1990		
			WO 96/11878	The Reg. of the Univ. of Calif.	04/25/1996		
			WO 00/51720	Symyx Technologies, Inc.	09/08/2000		
			WO 00/17413	Symyx Technologies	03/30/2000		
			WO 01/79949 A2	Symyx Technologies, Inc.	10/25/2001		
			WO 98/15501	Symyx Technologies, Inc.	04/16/1998		
			WO 99/18431	Symyx Technologies, Inc.	04/15/1999		
			EP 0 317 356 A2	Chichibu Cement Kabushiki	05/24/1989		

Examiner
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[Signature]

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Sheet	2	of	3
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		Number	Kind Code ² (if known)			
MW		4,740,078		Daendliker et al.	04/26/1988	
		4,749,854		Martens	06/07/1988	
		4,789,236		Hodor et al.	12/06/1988	
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		4,829,837		Telfer	05/16/1989	
		4,893,500		Fink-Jensen	01/16/1990	
		4,899,575		Chu et al.	02/13/1990	
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		5,051,239		von der Goltz	09/24/1991	
		5,115,669		Fuller et al.	05/26/1992	
		5,142,900		Duke	09/01/1992	
		5,193,383		Burnham et al.	03/16/1993	
		5,236,998		Lundeen et al.	08/17/1993	
		5,271,266		Eschbach	12/21/1993	
		5,272,912		Katsuzaki	12/28/1993	
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		5,452,619		Kawanabe et al.	09/26/1995	

[illegible]

[Signature]

	Not Considered	Considered
1. The number of people who are affected by the problem.		
2. The severity of the problem.		
3. The likelihood of the problem occurring.		
4. The cost of the problem.		
5. The time it takes to solve the problem.		
6. The complexity of the problem.		
7. The availability of resources to solve the problem.		
8. The potential for future problems.		
9. The impact of the problem on the organization's reputation.		
10. The impact of the problem on the organization's financial performance.		
11. The impact of the problem on the organization's legal obligations.		
12. The impact of the problem on the organization's ethical standards.		
13. The impact of the problem on the organization's social responsibilities.		
14. The impact of the problem on the organization's environmental sustainability.		
15. The impact of the problem on the organization's overall success.		

8,201.3

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	3
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Application Number	09/939,404
Filing Date	08/24/2001
First Named Inventor	
Group Art Unit	2837
Examiner Name	
Attorney Docket Number	1012-107(2000-002)

[illegible][illegible]

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8/20/23

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 0

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Application Number	09/939,404
Filing Date	08/24/2001
First Named Inventor	Damian A. Hajduk
Group Art Unit	2853
Examiner Name	
Attorney Docket Number	1012-107(2000-002)



OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MW		U.S. Application Serial No. 09/420,334 entitled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
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		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
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Examiner Signature	<i>N. K. K.</i>	Date Considered	8/29/03
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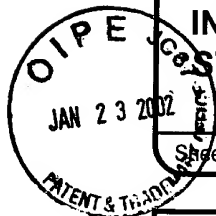
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 0

Complete if Known

Application Number	09/939,404
Filing Date	08/24/2001
First Named Inventor	Damian A. Hajduk
Group Art Unit	2877
Examiner Name	
Attorney Docket Number	1012-107(2000-002)

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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
174		"DMA 2980 Dynamic Mechanical Analyer," http://www.tainst.com/dma2.html , 12/29/00	
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		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425	
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		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Propoerties of Thin Polyimide Films" pp. 647-668	
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		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

Examiner Signature	<i>Nori</i>	Date Considered	8/20/02
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